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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/834,911	04/16/2001	Fredrik Alriksson	040001-022	5430

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EXAMINER

WANG, TED M

ART UNIT PAPER NUMBER

2634

DATE MAILED: 06/01/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/834,911

Applicant(s)

ALRIKSSON ET AL.

Examiner

Ted M. Wang

Art Unit

2634

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 April 2001.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-23 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 18-23 is/are rejected.
- 7) ☒ Claim(s) 1-17 is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 7/12/2001 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 2/22/02.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____.

DETAILED ACTION

Claim Objections

1. Claims 1-17 and 20-23 are objected to because of the following informalities:
 - In claim 1, line 3, replace "PMP" with --- Participant in Multiple Piconet (PMP) ---.
 - In claim 20, line 1, replace "PMP" with --- Participant in Multiple Piconet (PMP) ---.
 - In claim 21, line 4, replace "PMP" with --- Participant in Multiple Piconet (PMP) --- after "a".

Appropriate correction is required.

Claim Rejections - 35 USC § 112

2. Claims 18-23 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.
 - With regard claim 18, the limitation of "monitoring the rendezvous points by a first master node of the first piconet to determine the slave node's first piconet presence for each of the associated payload windows; and monitoring the rendezvous points by a second master node of the second piconet to determine the slave node's second piconet presence for each of the associated payload windows" as recited in lines 8-13, has not been taught by the specification.
 - With regard claims 19 and 20, the limitation of "monitoring the rendezvous points by a first master node of the first piconet to determine the slave node's first piconet

presence for each of the associated payload windows;" as recited in lines 8-10, has not been taught by the specification

- With regard claims 21-23, the limitation of "a memory for storing information accessible to the first node, said information being associated with switching of the PMP node to the second piconet, and said information being stored in response to the rendezvous point" as recited in lines 10-12, has not been taught by the specification.

Allowable Subject Matter

3. Claims 1-17 would be allowable if rewritten to overcome the objection(s) set forth in this Office action.

4. The following is an examiner's statement of reasons for allowance.

- The prior art fails to teach a method of Claims 1 that specifically comprises the following:
 - The instant application is deemed to be directed to a non-obvious improvement over the invention patented in Pat. No. US 6,594,703, US 6,771,593, US 6,785,254, US 6,829,288, US 2002/0,067,724. The improvement comprises that switching the PMP node to a second piconet to exchange data with a second node within the second payload window; and determining by the first node, in response to the PMP node missing the second rendezvous point, said PMP node switching to the second piconet in order to improve the intrapiconet scheduling.

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the

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issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

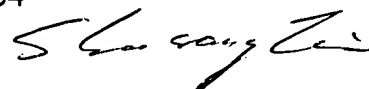
6. Reference(s) US 6,594,703, US 6,771,593, US 6,785,254, US 6,829,288, and US 2002/0,067,724 are cited because they are put pertinent to the Bluetooth with piconet. However, none of references teach detailed connection as recited in claim.

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Ted M. Wang whose telephone number is 571-272-3053. The examiner can normally be reached on M-F, 7:30 AM to 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Stephen Chin can be reached on 571-272-3056. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ted M Wang
Examiner
Art Unit 2634



Ted M. Wang